

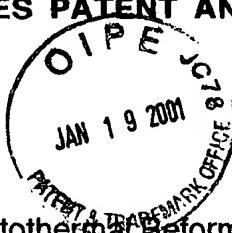
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Roger R. Lesieur

Serial No.: 09/321,390

Filed: May 27, 1999

For: "Compact Light Weight Autothermal Reformer Assembly"



Docket No.: C-2267

Group: 1764

Examiner: B. Ridley

AF  
GP 1764  
1/26/01  
1/26/01

AMENDMENT B UNDER RULE 116

Hon. Commissioner of Patents and Trademarks

Washington, D.C. 20231

RECEIVED  
JAN 26 2001  
TO 1700 FINAL ROOM

Dear Sir:

This is responsive to the Official Office Action dated November 1, 2000. Please amend the above-identified application as follows.

**IN THE SPECIFICATION:**

C1 On page 3, line 14, after "deposited." please insert "Cells in the open cell foam onto which a catalyst is deposited are occasionally referred to herein as "catalyzed cells".

On page 5, line 28, please delete "small", first occurrence, and insert --smaller--.

On page 6, line 13, please delete "noble" and insert --noble--.

**IN THE CLAIMS:**

Please rewrite Claims 1 and 21 as follows

- C2
- 1.(amended) A hydrocarbon fuel gas autothermal reformer assembly comprising:
- a) a monolithic open cell foam catalyst bed, said catalyst bed including an inlet end and an outlet end, an inlet portion of said catalyst bed being provided with a catalyst which is operable to combust a portion of the fuel gas so as to raise the temperature of said catalyst bed while inhibiting carbon deposition in catalyzed cells of said foam;
  - b) a fuel gas inlet passage, said fuel gas inlet passage being disposed in heat exchange relationship with [an] a processed fuel gas stream disposed in an outlet passage from said catalyst bed whereby heat will be transferred to said fuel gas inlet passage from the processed fuel gas stream;

OK to  
enter 3/26/01  
JR